

Facing the Strategic Evaluation of the Research Field MATTER for the 4th Program period (PoF IV)

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Strategic Evaluation between January 27 and 30 in 2020

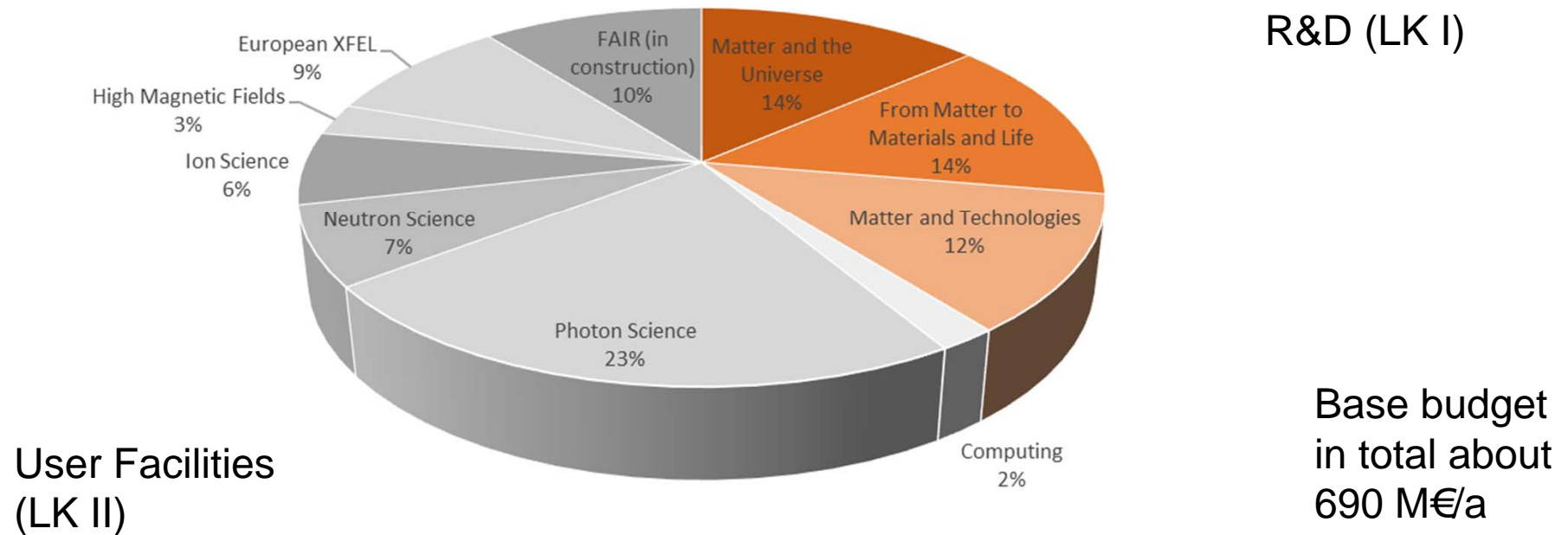
The Program-oriented Funding

- The Program-oriented Funding of the Helmholtz Association and its centers is based on a scientific & strategic evaluation of the core funded R&D activities within its Research Fields
- The scientific evaluation took place between October 2017 and March 2018 with regard to the scientific results in the 3rd program period
- The strategic evaluation will take place in January 2020 with regard to the strategy of the research centers participating in the Research Field Matter for the 4th program period (2021 – 2027)

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The Research Field Matter – Status

Ressources of the Research Field Matter in percent



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Subject of the evaluation are the R&D activities (LK I)

The Research Field Matter:

Research Program – **Matter and the Universe (MU)**

Research Topics : Fundamental Particles and Forces alias elementary particle physics ([MU-EPP](#))
 Cosmic Matter in the Laboratory alias hadron and nucleon physics ([MU-HaN](#))
 Matter and Radiations from the Universe alias astroparticle physics ([MU-APP](#))
(Facility Topics : Gridka – TIER 1 Computing, Preaccelerators for FAIR) } SoA

Research Program – **From Matter to Material and Life (MML)**

Research Topics : Matter - dynamics, mechanisms and control ([MML-DMC](#))
 Materials - quantum, complex and functional ([MML-QCF](#))
 Life - building blocks of life ([MML-BBL](#))
(Facility Topics: User Facilities for research with photons, neutrons, ions and with high magnetic fields) } SoA

Research Program – **Matter and Technologies (MT)**

Research Topics : Accelerator technologies ([MT-ARD](#))
 Detector technologies and systems ([MT-DTS](#))
 Data management and analysis ([MT-DMA](#))
(Facility Topic : IDAF alias TIER 2 computing) } Subjects of Assessment (SoA)

Transverse and Soft Skills: technology transfer & relation to industrial partners, data management & open access, diversity & early career development, communication & outreach, sustainability & environmental impact, etc ([TSS](#))

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Terms of Reference, Documents and Agenda

Terms of Reference:

- Assessment of the Research Topics under 4 dimensions:
goals, research plans, resources & results, impact & risks
including an assessment of the starting point of the program budgets
- Categorisation of the Research Topics in 3 funding scenarios:
A: particular increase in funding
B: normal increase in funding
C: no increase in funding
- Report : based on the initial notification at the end of the Review
≈ 2 pages executive summary
≈ 2 pages/research topic
≈ 2 pages on transvers issues

Documents: to be provided by 2 December

- Proposals of each program including the research topics (total ≈ 300 pages)
- Program review reports of the scientific evaluation of the Research Centres
- Research Policy Goals / Strategic Guidelines

Agenda of the Strategic Review in Berlin:

- A three and a half days on-site review in Berlin

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Participants (present status)

Review Panel for the Strategic Review in the Research Field Matter
Ursula Bassler , <i>Chair of the Review Panel</i> Directeur de recherche CNRS - Centre national de la recherche scientifique, France
Meigan C. Aronson (<i>former panel chair of the scientific review FZJ in Matter</i>) Dean of the Faculty of Science, The University of British Columbia, Canada
Frédéric Bordry Director for Accelerators and Technology, CERN, Switzerland
Hideto Enyo (<i>former panel chair of the scientific review GSI in Matter</i>) Director, RIKEN Nishina Center for Accelerator-Based Science, Japan
Manfred Fiebig (<i>former panel chair of the scientific review HZDR in Matter</i>) Professor of Multifunctional Ferroic Materials in the Department of Materials, ETH Zurich, Switzerland
Andrew Harrison (<i>former panel chair of the scientific review HZB in Matter</i>) Chief Executive Officer of the Diamond Light Source Ltd, United Kingdom
Sine Larsen Professor Emerita, Department of Chemistry, University of Copenhagen, Denmark
Hugh Montgomery (<i>former panel chair of the scientific review DESY in Matter</i>) Director, Thomas Jefferson National Accelerator Facility, Jefferson Lab, USA
Michael Peiniger Managing Director (and also shareholder) of RI Research Instruments GmbH, Germany
Christina Scheu (<i>former sub-panel chair of the scientific review HZG in Key Technologies</i>) Group Leader, Max Planck Institute for Metals Research, Germany
Andrew Taylor (<i>former panel chair of the scientific review KIT in Matter</i>) Executive Director, Science and Technology Facilities Council, National Laboratories, United Kingdom

- ❖ Review Panel (see list on the left)
- ❖ Guests:
 - Helmholtz Association: President, Members of the Helmholtz Senate, Delegates of Helmholtz Headquarters (altogether about 6)
 - Funding Agency: Members of BMBF / Länder (altogether = 2)
- ❖ Participants of the Programs:
 - Coordinator of the Research Field
 - Spokespersons of the Programs and Program Topics and Facility Topics
 - Scientific Directors of participating Research Centers etc.
(altogether = 33 per plenary session)

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Agenda (preliminary) - overview

- Monday
 - Afternoon: come together, dinner & prelude (closed session)
 - Tuesday
 - Morning: introduction & framework, results of the scientific evaluation
 - Afternoon: presentation of the program MU (plenary) and discussion
 - Closed session
 - Wednesday
 - Morning: presentation of the program MML (plenary) and discussion
 - presentation of Facility Topics (plenary) and discussion
 - Afternoon:
 - Closed session
 - Thursday
 - Morning: presentation of the program MT (plenary) and discussion
 - Closed session
 - Afternoon: Final closed session to formulate findings and recommendations
 - Initial Notification
 - Farewell
- } MU-PT1,2,3+MU-FT
- } MML-PT1,2,3
- } MML-FT1,2,3,4
- } MT-PT1,2,3+MT-FT

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Thank you for attention!